

NEW

Training at **GEO³T²** Drilled Shaft Foundations, Construction & Inspection

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- **Introduction and Learning Objectives**
Shallow foundations versus deep foundations.
Advantages and disadvantages over other deep foundations such as driven piles and micropiles,
- **Geotechnical Investigation and Design Concepts**
Discussion on boring logs/subsurface strata identification, boulders, groundwater ...
End-bearing versus side-friction shafts...
Brief discussion on how various design decisions influence constructed elements of drilled shafts
- **Specifications (CFL “FP Section 565” vs the DOT Specifications), Discussion on opportunities to improve the DOT specifications, Pre-construction Meeting and Construction Logs/Documents**
- **Construction Practices and Inspection, the inspectors rolls and responsibilities**
- **Site Preparation, Subsurface Material Identification, Construction Tolerances**
- **Drilled Shaft Drilling Tools, Construction Sequencing, Hole Collapse**
- **Dry-shaft and Wet-shaft Construction Practices**
- **Slurry Types, Application, and Testing**
- **Hole Cleaning and Casing**
- **Rebar Cage Placement**
- **Shaft Concreting, Concrete Admixes and Testing**
- **Understanding Integrity Testing; CSL, Gamma-Gamma, Impulse Echo, Thermal Integrity Testing...**
- **Integrity testing data analysis...data accuracy, what constitute defects and how to use the data for accepting, rejecting , remediating...the drilled shafts**
- **Drilled Shaft Acceptance Criteria.**
- **Remediation Methods for Defected Drilled Shafts—Case Studies**

